



GENÈSE
CLOUD ACADEMY

ETHICAL HACKING & CYBER SECURITY



02 Months



ABOUT US

GENESE is the first choice of students who want to excel themselves in the field of Internet Marketing. GENESE CLOUD consists of Top Level Trainers who are adept in the fields of Internet Marketing. We are the pioneer institute that started comprehensive Training for the benefit of students. Since our launch, hundreds of students are trained who secured good jobs in the expanding IT industry as we all know. Contact us and secure your seat for upcoming training, events, and seminars.



100+
IT COURSES



49,000+
STUDENTS CONNECTED



50+
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WE OFFERS



Development



Marketing



Art & Design



Multimedia



Networking &
Cyber Security



Business & Accounts

Languages



SALIENT FEATURES



ZAFF Institute



Follow-Up Sessions



Practical learning



Internships/Jobs
Opportunities



Learning Management System



Expert Mentorship

COURSE PREREQUISITES:

There are a few prerequisites that you will have to meet in order to go through the class. This is important for a few reasons. For one, having a working knowledge of hacking will help to keep you from falling behind and possibly paying for a class where you do not learn anything you can implement. With this, it also helps to keep the class running smoothly. While the prerequisites for the class will depend on where you take it, there are a few things you will have to have. You will need to have a working knowledge of TCP/IP, a background in either security or information systems as well as at least a year of experience working with networking technologies. However, it is important to make sure you understand of HTML, CSS, JAVASCRIPT

WHO SHOULD TAKE THIS COURSE ?

Battles between corporations, governments and countries are no longer fought using physical force. The cyber war has begun and the consequences can be seen in everyday life. If you are equipped with problem-solving, solid communication, and IT security skills, you have what it takes for cyber security training. The Ethical Hacking Course can train you to look for weaknesses and vulnerabilities in target systems, as well as how to close those doors and protect systems from malicious hackers.



ETHICAL HACKING & CYBER SECURITY

COURSE KEY CONCEPTS

Will immerse you into the Hacker Mindset so that you will be able to defend against future attacks. It puts you in the driver's seat of a hands-on environment with a systematic ethical hacking process. The tools and techniques in each of these phases are provided in detail in an encyclopedic approach to help you identify when an attack has been used against your own targets. Why then is this training called the Ethical Hacker Course? This is because by using the same techniques as the bad guys, you can assess the security posture of an organization with the same approach these malicious hackers use, identify weaknesses and the problems before they are identified by the enemy, causing what could potentially be a catastrophic damage to your respective organization. Throughout the CEH course, you will be immersed in a hacker's mindset, evaluating not just logical, but physical security.



ETHICAL HACKING & CYBER SECURITY

This Course is designed to get your hands quickly and professionally on to the world of Ethical Hacker's, by the end of this 8 Weeks long course you should have clear understandings of Complete Ethical Hacking.

FOLLOWING WILL BE COVERED IN THIS COURSE:

1. INTRODUCTION TO ETHICAL HACKING

- Internet is integral part of Business and Personal Life
- Information Security Overview
- Information Security Threats and Attack Vectors
- Hacking Concepts, Types & Phases
- Ethical Hacking Concepts & Scope
- Concept of Legal and illegal hacking
- Information Security Controls
- Advance Research topics and follow up

2. FOOTPRINTING AND RECONNAISSANCE

- Footprinting Concepts
- Footprinting Methodology
- Footprinting Tools
- Advance Footprinting Techniques
- Footprinting Countermeasures
- Footprinting Penetrating testing



3. SCANNING NETWORKS

- Overview of Networking Scanning
- CEH Scanning Methodology & Advance Network Scanning
- Advance System Host Scanning
- Advance Website Scanning
- Deep scanning logic
- Banner Grabbing Techniques and Defence
- Categorizing information
- Scanning Pen Testing Design

4. ENUMERATION

- Enumeration Concepts & NetBIOS Enumeration
- SNMP Enumeration
- LDAP Enumeration & NTP Enumeration
- SMTP Enumeration
- Advance Enumeration Methodologies
- Enumeration Countermeasures
- SMB Enumeration Countermeasures
- Pen Testing

5. SYSTEM HACKING

- Information at Hand before System Hacking Stage
- System Hacking: Goals & CEH Hacking Methodology (CHM)
- Data Recovery Techniques
- System Password Recovery Techniques
- CEH System Hacking Steps
- Log Management and Analysis
- Penetrating Testing



6. MALWARE THREATS

- Malware Concepts & Malware Types and Branches
- Malware Methodology & Malware Tools
- Framework Design and Deployment
- Malware Countermeasures and Defence Strategies
- Malware Penetrating testing

7. SNIFFING

- Sniffing Concepts & MAC Attacks and Defence Spoofing Techniques
- Sniffing Tools
- Sniffing Tool: Wireshark & Sniffing Tool: Cain & Able
- Advance Countermeasures
- Sniffing Detection Techniques & Sniffing Reports

8. SOCIAL ENGINEERING

- Social Engineering Concepts & Social Engineering Techniques
- Impersonation on Social Networking sites
- Social Engineering Countermeasures & Defence

9. DENIAL-OF-SERVICE ATTACK

- DoS/DDoS Advance Concepts
- DoS/DDoS Analysis Tools and Methodologies
- DoS/DDoS Attack Techniques & Botnets Techniques and Usage
- DOS/DDOS Attack Tools



10. SESSION HIJACKING

- Attack techniques & Session Hijacking Concepts
- Application Level Session Hijacking
- Network-Level Session Hijacking & Session Hijacking Tools
- Countermeasures

11. HACKING WEBSERVERS

- Webserver Market Shares & Webserver Concepts
- Webserver Attacks
- Attack Methodology
- Webserver Attack Tools
- Countermeasures & Webserver Security Defence and Tools

12. HACKING WEB APPLICATIONS

- Web Application Attack Report
- Variety of Hacking Actions with in Web App Attacks Pattern
- Web App Concepts & Web App Threats
- Web App Hacking Methodology
- Attack Web Servers
- Analyze Web Applications Vulnerabilities
- Attack Authentication Mechanism & Perform Injection Attacks
- Injection Attacks/Input Validation Attacks



- Attack Data Connectivity
- Attack Web App Client & Attack Web Services
- Web Application Hacking Tools
- Web Application Security Tools
- Web Application Firewall
- Web Application Pen Testing Framework

13. SQL INJECTION

- SQL Injection Concepts & Types of SQL Injection
- SQL Injection Methodology & SQL Injection Tools
- Countermeasures

14. HACKING WIRELESS NETWORKS

- Are you protected from Hackers on Public Wi-Fi?
- Wi-Fi Statistics & Wireless Concepts
- How to Defend Against WPA/WPA2 Cracking
- Wireless Threats & Wireless Hacking Methodology
- What is Spectrum Analysis?
- Wi-Fi Packet Sniffers & Launch Wireless Attacks
- How to Launch MAC Spoofing Attack
- Denial of Service: De-authentication and Dis-association Attacks
- Man-in-the-Middle Attack
- Evil Twin & Wireless Hacking Tools
- Bluetooth Hacking & Countermeasures



15. HACKING MOBILE PLATFORMS

- Mobile Platform Attack Vectors & Hacking Android OS
- Hacking iOS
- Hacking Windows Phone OS & Hacking Blackberry
- Mobile Device Management
- Mobile Security Guidelines and Tools

16. EVADING IDS, FIREWALLS, AND HONEYPOTS

- IDS, Firewall and Honeypot Concepts
 - IDS, Firewall and Honeypot System
 - Evading IDS & Evading Firewalls
 - Detecting Honeypots
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WE ARE PROVIDING BEST IT TRAININGS IN TOWN



FOR MORE INFORMATION

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